U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OMB CO	ntroi number.					<u> </u>
	Substitute for for	m 14	49/PTO	C	omplete if Known	1
	INFORMATION E	DISC	LOSURE	Application Number	09/622,646	AUG 1 3 2010 W
	STATEMENT BY	' APF	PLICANT	Filing Date	2/25/1999	AUD 1 0 DO 1 1 II
	Data Cubmittadi A		+ 12 2010	First Named Inventor	Yasuko OZAKI	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Date Submitted: A	ugus	<u>(13, 2010</u>	Art Unit	1641	Con set
	(use as many sheet	ts as	necessary)	Examiner Name	Christine E. FOST	ER TRADEMAN
Sheet	1	of	3	Attorney Docket Number	053466-0286	

Examin		Document Number	D. I. P. J. P. J. D. A.	Name of Detented or Applicant of	Pages, Columns, Lines, Where Relevant
er Initials*	Cite No. ¹	Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document Passages or Relevant Figures Appear	
	E1	2006/0153883 A1	07/13/2006	Kwee et al.	
	E2	7,252,996 B2	08/07/2007	Boccaccio et al.	
					· · · · · · · · · · · · · · · · · · ·

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS							
Examiner Initials*	Cite No.1	U.S. Patent Application Document Serial Number-Kind Code ² (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		

			FOREIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т6
	E3	EP 1 059 533 A1	12/13/2000	Chugai Seiyaku Kabushiki Kaisha		
	E4	WO 01/77362 A1	10/18/2001	Chugai Seiyaku Kabushiki Kaisha		Α

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	E5	CHIRIVA-INTERNATI et al., "Pulsing dendritic cells via an adeno-associated virus/HM1.24 recombinant generates rapid, significant cytotoxic T lymphocyte and interferon activity against multiple myeloma and synthetic HM1.24-positive autologous targets," Cancer Gene Therapy, December 2001, 8(supp2):S27, Abstract PD-88.	
	E6	CHIRIVA-INTERNATI, Maurizio et al., "Sperm protein 17 (Sp17) is a suitable target for immunotherapy of multiple myeloma", <i>BLOOD</i> , Vol. 100, No. 3, pgs. 961-965, August 1, 2002.	
-	E7	CONDON, Cal et al, "DNA-based immunization by <i>in vivo</i> transfection of dendritic cells", <i>NATURE MEDICINE</i> , Vol. 2, No. 10, pgs. 1122-1128, October 1996.	

Examiner Signature	/Christine Foster/ (10/24/2010)	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid

	Substitute for for	rm 144	19/PTO	Co	omplete if Known
	INFORMATION I	DISCI	LOSURE	Application Number	09/622,646
	STATEMENT BY	/ APF	PLICANT	Filing Date	2/25/1999
	Data Calmatte da A		440 0040	First Named Inventor	Yasuko OZAKI
	Date Submitted: A	ugus	<u>t 13, 2010</u>	Art Unit	1641
	(use as many shee	ts as	necessary)	Examiner Name	Christine E. FOSTER
Sheet	2	of	3	Attorney Docket Number	053466-0286

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	E8	DI NICOLA et al., "Gene Transfer into human dendritic antigen-presenting cells by vaccinia virus and adenovirus vectors", 1998, Cancer Gene Therapy, Vol. 5, No. 6, pgs. 350-356.	
	E9	EVANS et al., "Vaccine therapy for cancer - fact or fiction?", Q.J. Med., 1999, 92:299-307.	
	E10	GONG, Jianlin et al., "Induction of antitumor activity by immunization with fusions of dendritic and carcinoma cells", NATURE MEDICINE, Vol. 3, No. 5, pgs. 558-561, May 1997.	
	E11	HUNDEMER et al., "Identification of T Cell Epitopes within the Plasmacell Antigen HM1.24", 2002, Blood, Vol. 100, No. 11, pg. Abstract No. 5088, XP009063835.	
	E12	KOMENAKA et al., "Immunotherapy for Melanoma," Clinics in Dermatology, 2004, 22:251-265.	
	E13	OHTOMO et al., "Molecular Cloning and Characterization of a Surface Antigen Preferentially Overexpressed on Multiple Myeloma Cells", Biochemical and Biophysical Research Communications, 1999, Vol. 258, No. 3, pgs. 583-591.	
	E14	OZAKI et al., "Humanized Anti-HM1.24 Antibody Mediates Myeloma Cell Cytotoxicity That is Enhanced by Cytokine Stimulation of Effector Cells", Blood, 1999, Vol. 93, No. 11, pgs. 3922-3930.	
	E15	PORGADOR, Angel et al., "Bone Marrow-generated Dendritic Cells Pulsed with a Class I-restricted Peptide Are Potent Inducers of Cytotoxic T Lymphocytes", <i>J. EXP. MED.</i> , Vol. 182, No. 1, pgs. 255-260, July 1995.	
	E16		
	E17	SONG, Wenru et al., "Dendritic Cells Genetically Modified with an Adenovirus Vector Encoding the cDNA for a Model Antigen Induce Protective and Therapeutic Antitumor Immunity", <i>J. EXP. MED.</i> , Vol. 186, No. 8, pgs. 1247-1256, 1997.	
	E18	SPECHT, Jennifer M. et al., "Dendritic Cells Retrovirally Transduced with a Model Antigen Gene are Therapeutically Effective against Established Pulmonary Metastases", <i>J. EXP. MED.</i> , Vol. 186, No. 8, pgs. 1213-1221, 1997.	
	E19	STEVENSON, Freda K., "Update on cancer vaccines," Curr. Opin. Oncol., 2005, 17:573-577.	
-	E20	SYRENGELAS, Anthanasia D. et al., "DNA immunization induces protective immunity against B-cell lymphoma", NATURE MEDICINE, Vol. 2, No. 9, pgs. 1038-1041, September 1996.	

Examiner Signature	/Christine Foster/ (10/24/2010)	Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

PTO/SB/08 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid

	Substitute for for	rm 144	49/PTO	C	omplete if Known
	INFORMATION I	DISC	LOSURE	Application Number	09/622,646
	STATEMENT BY	Y APF	PLICANT	Filing Date	2/25/1999
				First Named Inventor	Yasuko OZAKI
	Date Submitted: A	<u> ugus</u>	t 13, 2010	Art Unit	1641
	(use as many sheets as necessary)			Examiner Name	Christine E. FOSTER
Sheet	3	of	3	Attorney Docket Number	053466-0286

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ₆
	E21	SZABOLCS, Paul et al., "Retrovirally Transduced Human Dendritic Cells Express a Normal Phenotype and Potent T-Cell Stimulatory Capacity", <i>BLOOD</i> , Vol. 90, No. 6, pgs. 2160-2167, September 1997.	
	E22	Dendritic Cells Expands Specific Cytotoxic T Cells and Induces Regression of Some Metastases in Advanced Stage IV Melanoma", <i>J. EXP. MED.</i> , Vol. 190, No. 11, pgs. 1669-1678, 1999.	
	E23	TREON, Steven P., et al., "Immunotherapeutic Strategies for the Treatment of Plasma Cell Malignancies", <i>SEMINARS IN ONCOLOGY</i> , Vol. 27, No. 5, pgs. 598-613, 2000.	
	E24	ZETTLMEISSL et al., "Expression and Characterization of Human CD4: Immunoglobulin Fusion Proteins," DNA and Cell Biology, 1990, 9(5):347-353.	

Examiner Signature	/Christine Foster/ (10/24/2010)	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.